

FILE 'HOME' ENTERED AT 10:47:00 ON 24 MAY 2004

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:47:08 ON 24 MAY 2004

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2021

L1 SCREEN CREATED

=> que AND L1

MISSING TERM BEFORE 'AND'  
Search expressions cannot begin with operators.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> que

ENTER LOGIC EXPRESSION OR (END):end

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2021

L2 SCREEN CREATED

=>  
Uploading C:\Program Files\Stnexp\Queries\tnfinhib.str

L3 STRUCTURE UPLOADED

=> que L3 AND L2

L4 QUE L3 AND L2

=> s 14  
SAMPLE SEARCH INITIATED 10:51:32 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 58 TO ITERATE

100.0% PROCESSED	58 ITERATIONS	30 ANSWERS
SEARCH TIME: 00.00.01		

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**
PROJECTED ITERATIONS:	704 TO	1616
PROJECTED ANSWERS:	272 TO	928

L5 30 SEA SSS SAM L3 AND L2

=> s 14 ful  
FULL SEARCH INITIATED 10:51:47 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1108 TO ITERATE

100.0% PROCESSED	1108 ITERATIONS	513 ANSWERS
SEARCH TIME: 00.00.01		

L6 513 SEA SSS FUL L3 AND L2

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL

FULL ESTIMATED COST

ENTRY  
158.36

SESSION  
158.57

FILE 'CAPLUS' ENTERED AT 10:51:54 ON 24 MAY 2004

=> file reg  
COST IN U.S. DOLLARS

SINCE FILE  
ENTRY  
0.44

TOTAL  
SESSION  
159.01

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 10:52:15 ON 24 MAY 2004

=> e tnf

E11E2E3E4E5E6E7E8E9E10E11E12

1136828113101111111

TNEU143J07/BI  
TNEU144I06/BI  
TNF/BI  
TNF.ALPHA./BI  
TNF.BETA./BI  
TNF2/BI  
TNF30/BI  
TNF34/BI  
TNF35/BI  
TNF36/BI  
TNF37/BI  
TNF38/BI

=> s e4

L728 TNF.ALPHA./BI

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE  
ENTRY  
4.85

TOTAL  
SESSION  
163.86

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 10:52:35 ON 24 MAY 2004

=> s 16 and 17

101 L6  
48 L7

L80 L6 AND L7

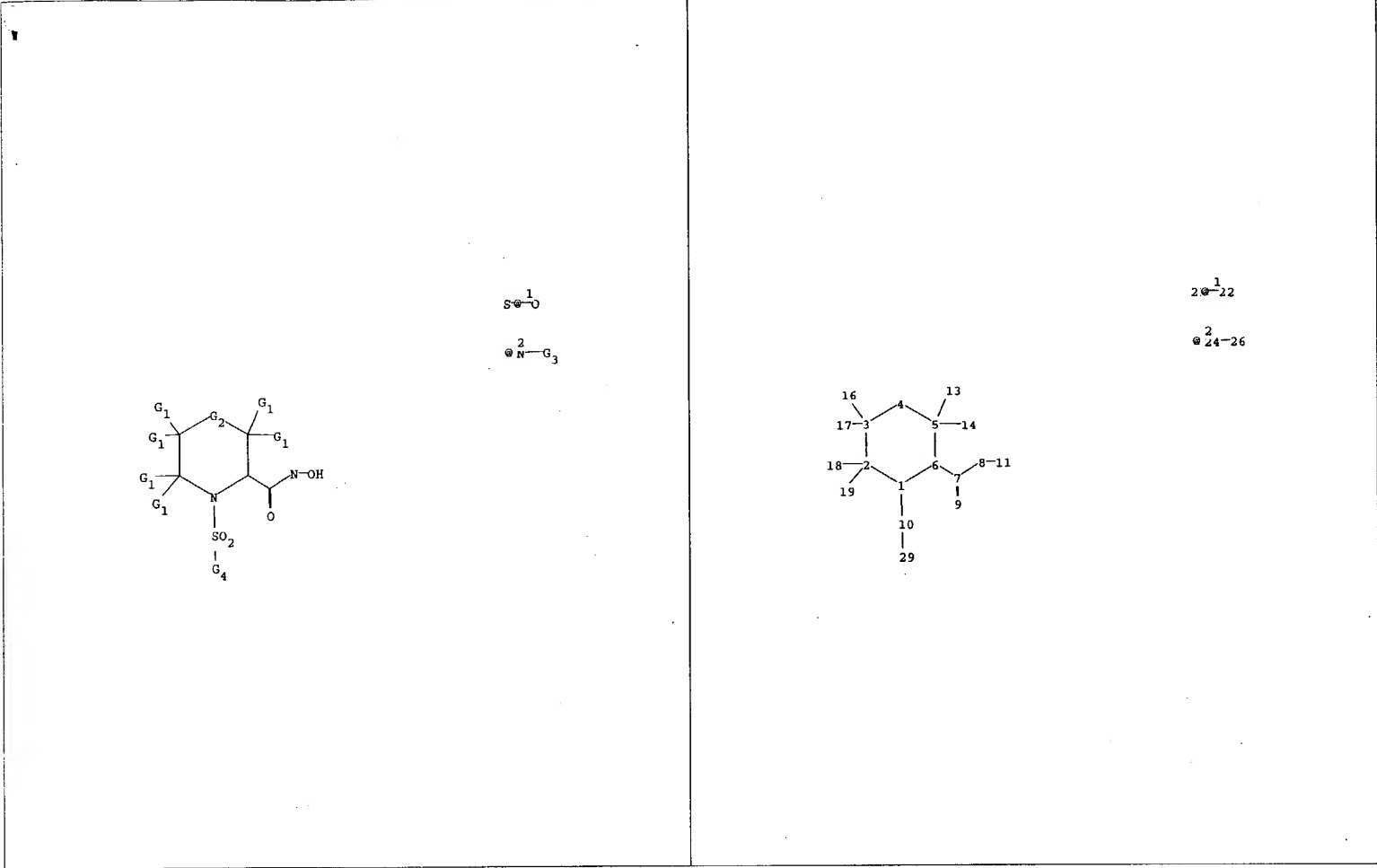
=> log y  
COST IN U.S. DOLLARS

SINCE FILE  
ENTRY  
0.44

TOTAL  
SESSION  
164.30

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 10:53:19 ON 24 MAY 2004



\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:58:53 ON 24 MAY 2004

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:58:58 ON 24 MAY 2004

=> e tnf

E1	1	TNEU143J07/BI
E2	1	TNEU144I06/BI
E3	368 -->	TNF/BI
E4	28	TNFA/BI
E5	1	TNFB/BI
E6	13	TNF2/BI
E7	10	TNF30/BI
E8	1	TNF34/BI
E9	1	TNF35/BI
E10	1	TNF36/BI
E11	1	TNF37/BI
E12	1	TNF38/BI

=> s e4

L1 28 TNFA/BI

=> d 1-28

L1 ANSWER 1 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 568624-27-1 REGISTRY  
CN 1-221-Proteinase, pro-tumor necrosis factor (human fragment) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-221-TNF $\alpha$  convertase PR-3 (human fragment)  
CN 24: PN: US6599706 SEQID: 23 claimed protein  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 2 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 568624-10-2 REGISTRY  
CN Proteinase, pro-tumor necrosis factor (human) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 23: PN: US6599706 SEQID: 23 claimed protein  
CN TNF $\alpha$  convertase PR-3 (human)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP

(Properties)

**\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\***

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***

**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 3 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 568624-08-8 REGISTRY

CN DNA (human pro-tumor necrosis factor proteinase cDNA) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 22: PN: US6599706 SEQID: 22 claimed DNA

CN **DNA (human TNF $\alpha$  convertase PR-3 cDNA)**

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PRP (Properties)

**\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\***

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***

**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 4 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 524974-99-0 REGISTRY

CN **Protein RANKL (human TNF $\alpha$ -homolog region)** (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 137: PN: WO03039225 SEQID: 84 claimed protein

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***

**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 5 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 481315-26-8 REGISTRY

CN **Tumor necrosis factor (human clone pTNF186 gene TNF $\alpha$ )** (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3595: PN: WO03091391 FIGURE: 20 unclaimed protein

CN 4806: PN: WO03091391 TABLE: 20 unclaimed protein

CN 675: PN: WO03038130 FIGURE: 3 claimed protein

CN 999: PN: WO03095618 TABLE: 1 claimed protein

CN GenBank AAA61200

CN GenBank AAA61200 (Translated from: GenBank M16441)

CN Protein (human 233-amino acid)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PRP (Properties)

**\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\***

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***  
**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***  
5 REFERENCES IN FILE CA (1907 TO DATE)  
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 6 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 225887-62-7 REGISTRY  
CN DNA (mouse strain C57BL/6J pro-tumor necrosis factor proteinase gene promoter region-containing fragment) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN DNA (mouse strain C57BL/6J TNF $\alpha$ -converting enzyme (TACE) gene promoter region-containing fragment)  
CN GenBank AB021294  
FS NUCLEIC ACID SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS, GENBANK  
DT.CA Caplus document type: Journal  
RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence); PRP (Properties)

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***  
**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 7 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 225773-23-9 REGISTRY  
CN DNA (mouse pro-tumor necrosis factor proteinase cDNA plus flanks) (9CI) (CA INDEX NAME)

OTHER NAMES:  
CN 1: PN: WO02086140 PAGE: 27 unclaimed DNA  
CN DNA (mouse TNF $\alpha$ -converting enzyme (TACE/ADAM17) cDNA plus flanks)  
CN GenBank AB021709  
FS NUCLEIC ACID SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS, GENBANK  
DT.CA Caplus document type: Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); PRP (Properties)  
RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence); PRP (Properties)

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***  
**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 8 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 161850-44-8 REGISTRY  
CN DNA (plasmid pDS56/RBSII,SphI-TNF $\alpha$ ) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Deoxyribonucleic acid (plasmid pDS56/RBSII,SphI-TNF $\alpha$ )  
FS NUCLEIC ACID SEQUENCE

MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA Cplus document type: Patent  
RL.P Roles from patents: PRP (Properties); USES (Uses)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 9 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 152925-07-0 REGISTRY  
CN DNA, (human tumor necrosis factor[Trp32Thr86]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Trp32Thr86]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF $\alpha$  (Trp32Thr86) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Cplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 10 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 152925-06-9 REGISTRY  
CN DNA, (human tumor necrosis factor[Asn31Thr32]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Asn31Thr32]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF $\alpha$  (Asn31Thr32) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Cplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 11 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 152925-05-8 REGISTRY  
CN DNA, (human tumor necrosis factor[Glu31]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Glu31]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Glu31) tumor necrosis factor analog gene)  
FS NUCLEIC ACID SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA CAPLUS document type: Patent  
RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 12 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 152925-04-7 REGISTRY  
CN Tumor necrosis factor (human reduced), 31-L-asparagine-32-L-threonine-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Asn-31, Thr-32, Thr-86] Tumor necrosis factor  $\alpha$  (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Asn31Thr32Thr86))  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA CAPLUS document type: Patent  
RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 13 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 152925-03-6 REGISTRY  
CN Tumor necrosis factor (human reduced), 31-L-glutamic acid-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Glu-31, Thr-86] Tumor necrosis factor  $\alpha$  (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Glu31Thr86))  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA CAPLUS document type: Patent  
RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 14 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 152925-02-5 REGISTRY  
CN Tumor necrosis factor (human reduced), 29-L-serine-32-L-tryptophan-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Ser-29, Trp-32, Thr-86] Tumor necrosis factor  $\alpha$  (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Ser29Trp32Thr86))  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN



SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 15 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 152925-01-4 REGISTRY  
CN Tumor necrosis factor (human reduced), 28-de-L-tryptophan-29-L-serine-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Ser-29, Thr-86] Tumor necrosis factor  $\alpha$  (human clone  
pDS56/RBSII, SphI-TNF $\alpha$ (Ser29Thr86))  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 16 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 152925-00-3 REGISTRY  
CN Tumor necrosis factor (human reduced), 32-L-tryptophan-86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Trp-32, Thr-86] Tumor necrosis factor  $\alpha$  (human clone  
pDS56/RBSII, SphI-TNF $\alpha$ (Trp32Thr86))  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 17 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 152924-99-7 REGISTRY  
CN Tumor necrosis factor (human reduced), 29-L-serine-32-L-tryptophan- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Ser-29, Trp-32] Tumor necrosis factor  $\alpha$  (human clone  
pDS56/RBSII, SphI-TNF $\alpha$ (Trp32))  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 18 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-98-6 REGISTRY

CN DNA, (human tumor necrosis factor[Ser29Trp32]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Ser29Trp32]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Ser29Trp32) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 19 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-97-5 REGISTRY

CN DNA, (human tumor necrosis factor[Ser29]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Ser29]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Ser29) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 20 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-96-4 REGISTRY

CN DNA, (human tumor necrosis factor[Trp32]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Trp32]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Trp32) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 21 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-95-3 REGISTRY

CN DNA, (human tumor necrosis factor[Thr86]-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, (human tumor necrosis factor[Thr86]-specifying)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF $\alpha$  (Thr86) tumor necrosis factor analog gene)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 22 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-94-2 REGISTRY

CN Tumor necrosis factor (human reduced), 86-L-threonine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Thr-86] Tumor necrosis factor  $\alpha$  (human clone pDS56/RBSII, SphI-TNF $\alpha$  (Thr86))

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 23 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 152924-93-1 REGISTRY

CN DNA (human clone pDS56/RBSII tumor necrosis factor  $\alpha$  gene plus flanks) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid (human clone pDS56/RBSII tumor necrosis factor  $\alpha$  gene plus 5'- and 3'-flanking region fragment)

OTHER NAMES:

CN DNA (human clone pDS56/RBSII, SphI-TNF $\alpha$  tumor necrosis factor gene and flanking sequences)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: PREP (Preparation)

**\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\***

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***

**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 24 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 144352-69-2 REGISTRY

CN Tumor necrosis factor (human reduced), 31-L-glutamic acid- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **[Glu-31] tumor necrosis factor  $\alpha$  (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Glu31))**

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***

**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 25 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 144352-65-8 REGISTRY

CN Tumor necrosis factor (human reduced), 32-L-tryptophan- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **[Trp-32] tumor necrosis factor  $\alpha$  (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Trp32))**

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***

**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 26 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN

RN 144352-64-7 REGISTRY

CN Tumor necrosis factor (human reduced), 29-L-serine- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **[Ser-29] tumor necrosis factor  $\alpha$  (human clone pDS56/RBSII, SphI-TNF $\alpha$ (Trp32))**

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

**\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\***

**\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\***

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 27 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 109656-70-4 REGISTRY  
CN Tumor necrosis factor (human reduced), 31-L-asparagine-32-L-threonine-  
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN [Asn-31, Thr-32] tumor necrosis factor  $\alpha$  (human clone  
pDS56/RBSII, SphI-TNF $\alpha$  (Asn31Thr32))

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

RL.NP Roles from non-patents: PREP (Preparation)

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)

4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 28 OF 28 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 94948-61-5 REGISTRY  
CN Tumor necrosis factor (human reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 14: PN: US6046048 FIGURE: 1B unclaimed sequence

CN 16: PN: WO9960127 SEQID: 19 unclaimed protein

CN 3: PN: CN1274729 SEQID: 3 unclaimed protein

CN 5: PN: WO0045836 SEQID: 7 unclaimed protein

CN Tumor necrosis factor (human U937 cell clone phTNF3)

CN **Tumor necrosis factor  $\alpha$  (human clone pDS56/RBSII, SphI-  
TNF $\alpha$ )**

CN Tumor necrosis factor  $\alpha$  (human)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP  
(Properties); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological  
study); PREP (Preparation); PRP (Properties); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);  
PRP (Properties)

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

37 REFERENCES IN FILE CA (1907 TO DATE)

6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

37 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

55.25

55.46

STN INTERNATIONAL LOGOFF AT 11:00:59 ON 24 MAY 2004